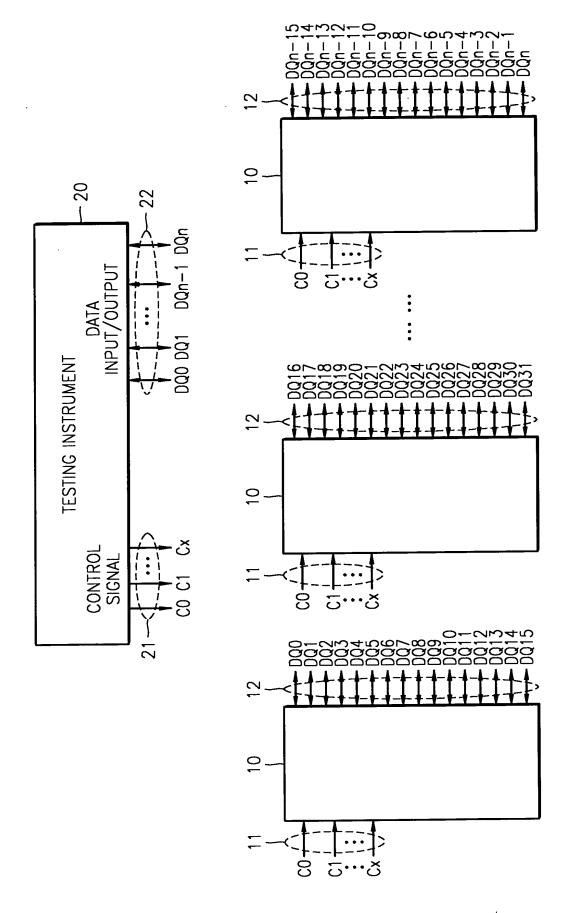
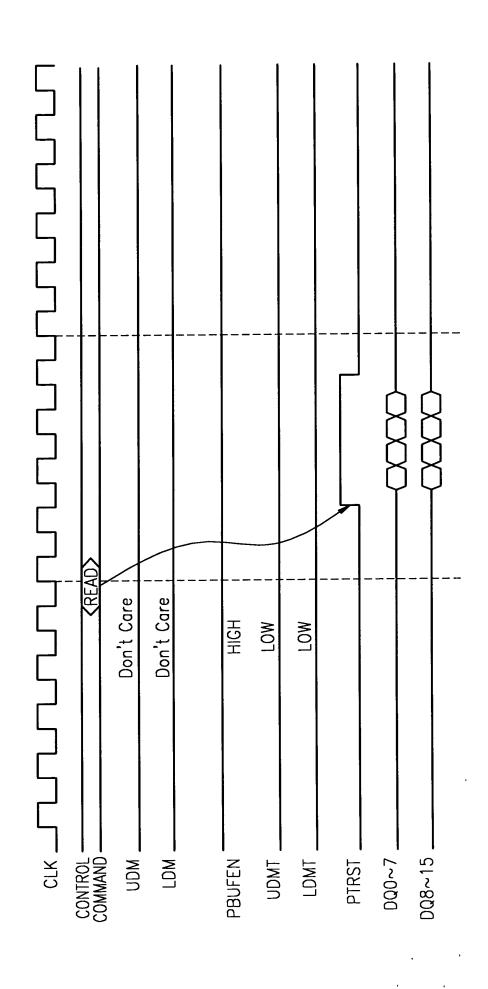
FIG. 1 (PRIOR ART)

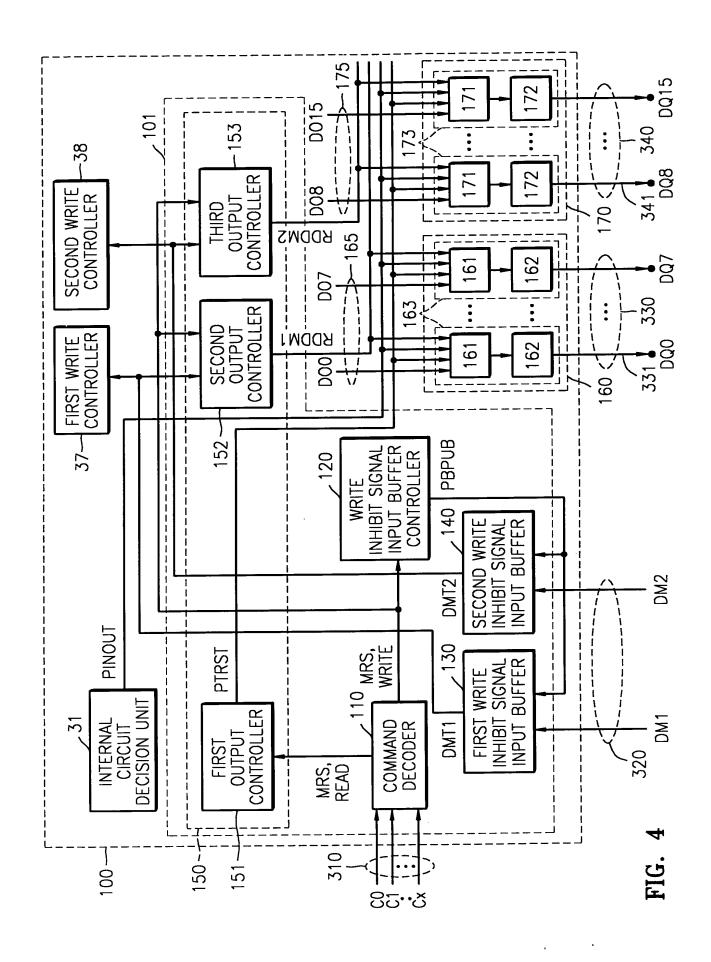


**DQ15** SECOND WRITE CONTROLLER 39 40 38 D015 : LDMT **DQ2** 39 40 **D02** FIRST WRITE CONTROLLER ,37 001 39 40 **D**01 UDMT 000 4 39 000 12 — CONTROL SIGNAL GENERATOR , 33 35 SECOND INPUT BUFFER  $\Gamma$ 34 FIRST INPUT BUFFER **PINOUT** MON **PTRST** WRITE INTERNAL CIRCUIT DECISION UNIT .36 32 .31 DQ BUFFER CONTROLLER COMMAND DECODER READ 30 – 85..3

FIG. 2 (PRIOR ART)

FIG. 3 (PRIOR ART)





11-Z **(READ)** 7-IH (READ) RDDM1\_ CONTROL — 000~7 DMT2\_ RDDM2\_ PBPUB\_ PTRST\_ DM1 DM2\_ DQ8~15\_ MRS DMT1\_

FIG. 5

FIG. 6

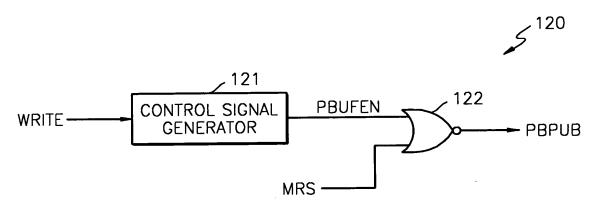


FIG. 7

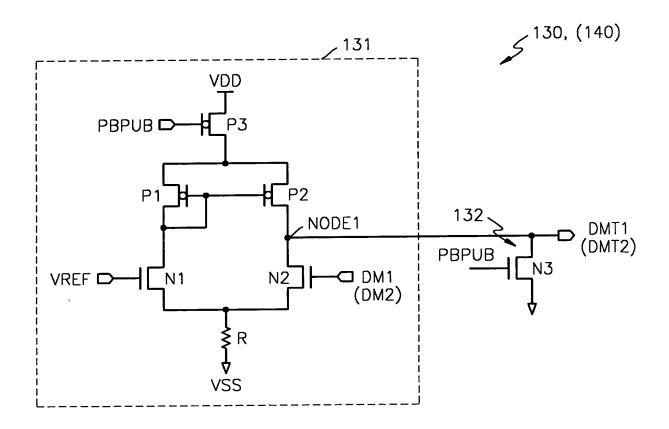
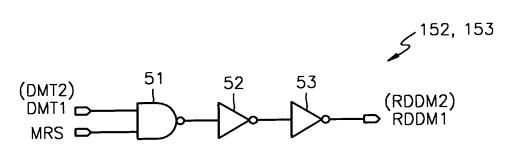


FIG. 8



162, 172 NOUT DO DO 92 DOKN DOKP 84 82 80 83  $\tilde{\sigma}$ TRSTB -DOI -TRST · DOI • .161, 171 70/ , 60 **TRST** <u></u> — TRSTB CLKDQB - CLKDQB CLKDQ-CLKDQ-.61 63 (RDDM2) RDDM1 🗗 PTRST 🗗

FIG. 9

FIG. 10

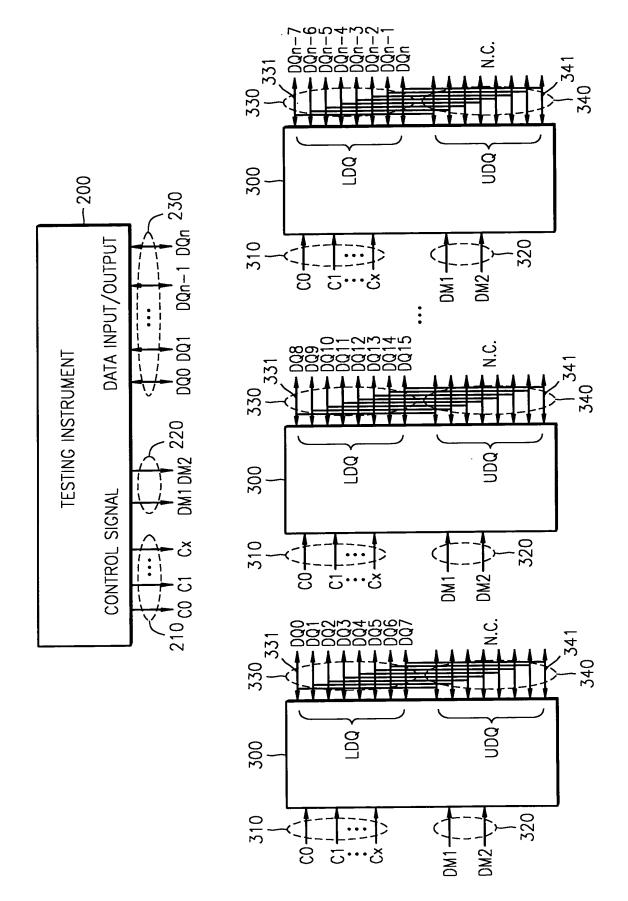


FIG. 11

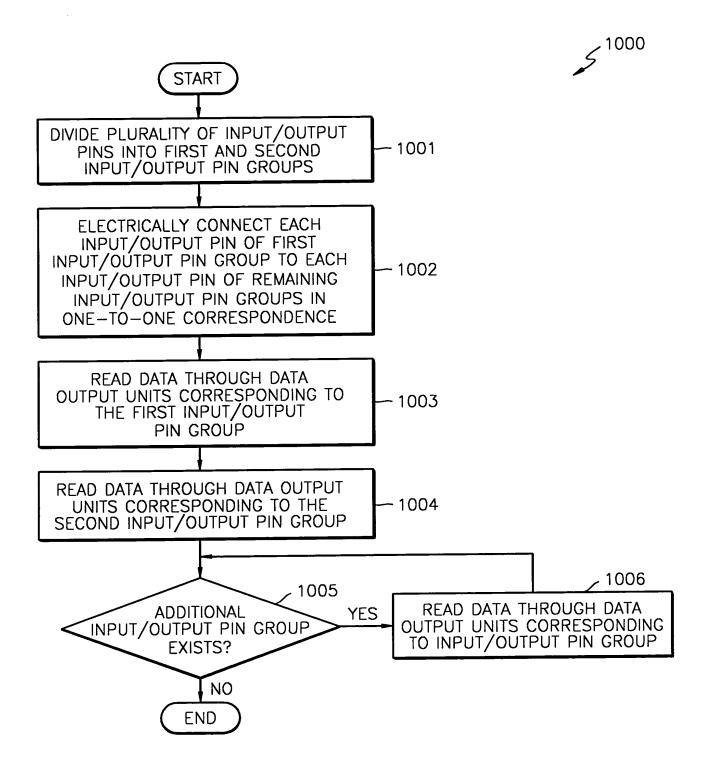


FIG. 12

